Model	QQ 7110	Trouble Category	Engine
Road Mileage	8,000 KM		

Possible Trouble(s):

There is the leakage from the engine oil sump, and, during the engine operates, there is the engine oil smear on the ground after the vehicle parks for a period of time.

Trouble Analysis:

In general, the reasons to result the oil leakage from the engine oil sump are as follows:

(1) the engine crankcase positive pressure; if the crankcase has the positive pressure, the pressure in the engine may press the oil out from the engine through the positions with poor sealing of the engine, especially from the oil sump.

(2) the oil sump upper surface deformed or sealed poor;

(3) the engine cylinder body lower surface deformed or machining accuracy low, which results that the lower surface doesn¡t match well with the surface of oil sump, and thus the oil leakage symptom occurs during the engine operates.

When the problem is removed, pay more attention to the expenditure and cost problem. This case is a special one only. In general, do not doubt the cylinder body lower surface machining problem.

Troubleshooting:

At the beginning, the technicians doubt that the oil sump surface and cylinder body lower surface are not fully sealed, and thus remove the oil sump and then conduct the anaerobic adhesive treatment. Subsequently, start and test the vehicle, and find that the trouble is as before. They doubt again that the oil sump surface is uneven. Replace the oil sump and then apply the adhesive, start and test the vehicle, and find, a short time later, the oil leakage symptom occurs again. Finally, it is doubted only that the cylinder body lower surface machining is poor. Replace the cylinder body, test the vehicle, and find the trouble is removed.

Final Measure(s):

Replace the cylinder body